

NOTES:

- ROOM 117 IS A CLASS I, DIVISION II, GROUP D HAZARDOUS AREA UP TO +48" ABOVE FINISHED FLOOR. MOUNT BOTTOM OF ALL SWITCHES +50" ABOVE FINISHED FLOOR.
- TWO RECEPTACLES ARE SHOWN IN THE SAME AREA. MOUNT ONE RECEPTACLE AT +48" AFF AND THE OTHER RECEPTACLE AT +60" (MICROWAVE) AFF. PROVIDE GFI FOR THE +48" RECEPTACLE. SEE ARCHITECT DRAWINGS FOR EXACT LOCATION.
- ALL COMPUTER CIRCUITS SHALL HAVE A DEDICATED WIRING (PHASE, NEUTRAL, GROUND AND SEPARATE CONDUITS) AS SHOWN. NO COMPUTER CIRCUITS SHALL BE ALLOWED TO BE COMBINED.
- NOT USED.
- INSTALL 30A, 2P+SN+G, 125V DISCONNECT SWITCH. FUSE AT 20 AMPS. CONNECT FUME HOOD EXHAUST TO THE DISCONNECT SWITCH. MOUNT BOTTOM OF SWITCH +50" ABOVE FINISHED FLOOR.
- INSTALL 30A, 2P+SN+G, 125V DISCONNECT SWITCH. FUSE AT 20 AMPS. CONNECT FUME HOOD RECEPTACLES TO THE DISCONNECT SWITCH. MOUNT BOTTOM OF SWITCH +50" ABOVE FLOOR. USE 3#10, 1#10G IN 3/4" C.
- TWO RECEPTACLES ARE SHOWN IN THE SAME AREA. MOUNT THE LOWER RECEPTACLE AS SHOWN IN THE STANDARD DWG. NO. 40-15-01. MOUNT THE OTHER RECEPTACLE +48" ABOVE FINISHED FLOOR ON CIRCUIT B-15.
- MOUNT REMOTE FUEL PUMP ANNUNCIATOR PANEL +54" ABOVE FINISHED FLOOR. PROVIDE CONTROL CONDUCTORS AND CONDUIT SIZES AS SHOWN ON SHEET EU-15 AND EU-16, DRAWING AF125-31-01. SEE DETAIL 2, SHEET E7.01 FOR ANNUNCIATOR LAYOUT.
- DEDICATED RECEPTACLE PROVIDED FOR SMALL AIR COMPRESSOR (IF NEEDED)

ROOM LEGEND	
101	NOT USED
102	CORRIDOR
103	ADMINISTRATION AREA
104	OTC OFFICE
105	FS OFFICE
106	TRAIN. OFFICE
107	STORAGE
108	CONF. 2 CLASSROOM
109	OS OFFICE
110	NCOIC OFFICE
111	SHIFT OFFICE
112	STORAGE
113	NOT USED
114	VESTIBULE
115	READY ROOM
116	QC INSPECTOR
117	LABORATORY
118	BREAK AREA
119	STORAGE
120	MECHANICAL ROOM
121	CORRIDOR
122	JANITOR
123	MEN'S LOCKER ROOM
124	MEN'S TOILET
125	FCC OFFICE
126	COMPUTER ROOM
127	WOMEN'S TOILET

SUPPLEMENTAL LEGEND

- 3 20A, 125V, 2P+G DUPLEX RECEPTACLE. NUMBER INDICATES WHICH CIRCUIT RECEPTACLE SHALL BE CONNECTED TO IN THE PANELBOARD. ADDITIONAL IDENTIFIERS MAY BE USED:
- WP INDICATES RECEPTACLE SHALL BE SUITABLE FOR EXTERIOR INSTALLATION.
- GFI GROUND FAULT INTERRUPTER.
- C COMPUTER DEDICATED RECEPTACLE. ISOLATED GROUND CIRCUIT ORANGE FACE.
- +48" NUMBER INDICATES SPECIAL MOUNTING HEIGHT ABOVE FLOOR OR ABOVE FINISHED GRADE.
- EWC DEDICATED CIRCUIT FOR ELECTRIC WATER COOLER.
- EXHAUST FAN DAMPER MOTOR

POWER PLAN

SCALE: 1/4" INCH = 1' FOOT



FEEDER SCHEDULE		
KEYED CIRCUIT NUMBER	FEEDER SIZE	PANELBOARD CIRCUIT
A-(EWH) 18.0KW	3#4 & 1#8 GND, 1-1/4" C	A-56,58,60
B-(MZU FAN) 1 1/2HP	3#12 & 1#12 GND, 1/2" C	A-44,46,48
C-(H&V HEAT COIL) 15.4KW	3#4 & 1#10 GND, 1-1/4" C	B-31,33,35
D-(MZU HEAT COIL) 27.4KW	3#1 & 1 #8 GND, 1-1/2" C	A-43,45,47
E- EF-1 & RAF-1 1/4 & 1/2 HP	2#12, 1#10G, 3/4" C	A-26

EXAMPLE 100% DESIGN

\$\$ - THINK VALUE ENGINEERING - \$\$			
Revisions			
Symbol	Descriptions	Date	Approved
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
Designed by:	xxx	SITE NAME	SITE LOCATION
Drawn by:	xxx	OMAHA DISTRICT DESIGN GUIDE	
Checked by:	xxx	POWER PLAN	
Reviewed by:	xxx	Plot Scale Ratio: 4:1 Design File: oddga001.dgn	Date: JUNE 2002 Sheet reference number: E2.01
Submitted by:	Chief: ELECTRICAL Section	Spec. No.: DACA 45 Contract No.: DACA 45	Drawing Code: X